

WORKSHEET 2:

①

ALKANES:

1. a)



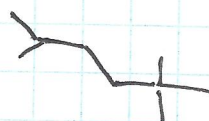
1-methylpropane

b)



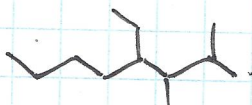
2,2-dimethylpentane

c)



2,2,5-trimethylhexane.

d)



4-ethyl-2,3-dimethyloctane

e)



3,3,5-trimethylhexane.

2. a)



correct: 2-methylbutane

b)



2,2-dimethylpropane

c)



2,2,4,4-tetramethylhexane

3. a)



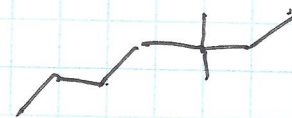
pentane

b)



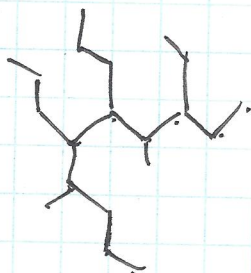
2,2-dimethylpentane

c)



3,3-dimethylheptane.

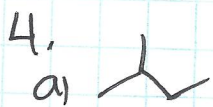
b)



3-ethyl-4,7-dimethyl-5,6-dipropyldecane.

WORKSHEET 2 - CONT'D

②



2-methylbutane



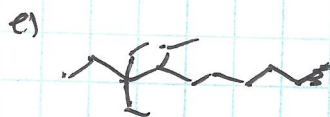
3-ethyl-3-methylhexane



4-(1,1-dimethylethyl)nonane.



2-methylpentane



3,3,4-triethylnonane



3,3,4,4-tetramethyldecane.

ALKENES



2-pentene



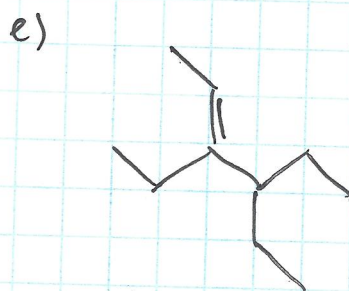
3-methyl-1-butene



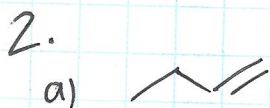
4,4-dimethylhex-2-ene.



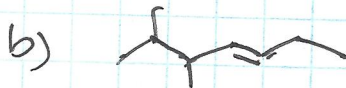
2-ethylpent-1-ene



3,4-diethylhex-2-ene



1-butene



5,6-dimethyl-3-heptene

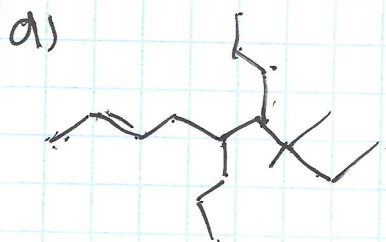
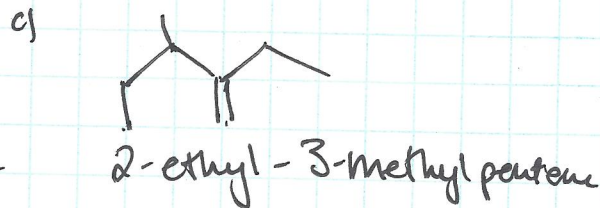
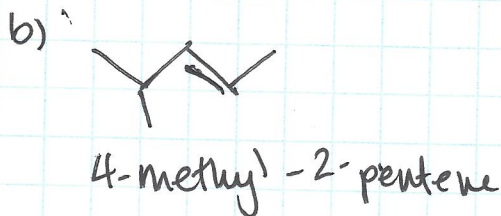
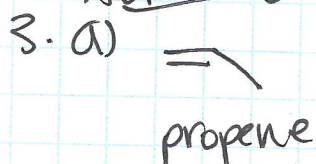


4-ethyl-3-methylhex-2-ene

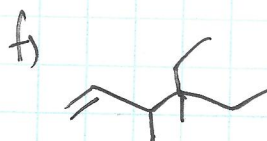
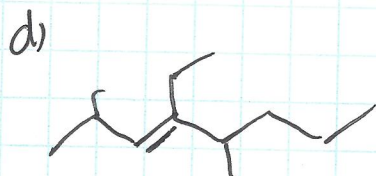
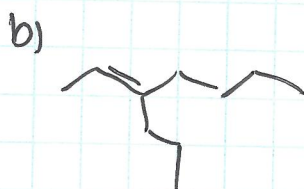
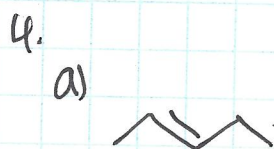


3-methyl-7-propyloct-3-ene

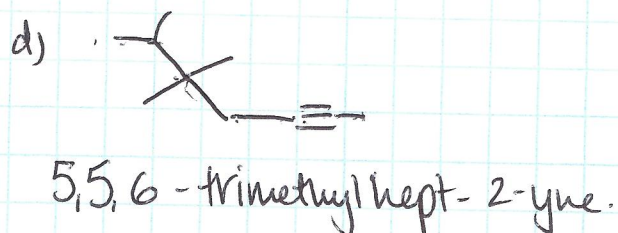
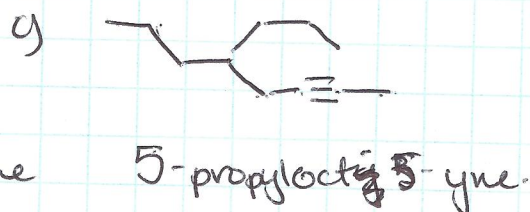
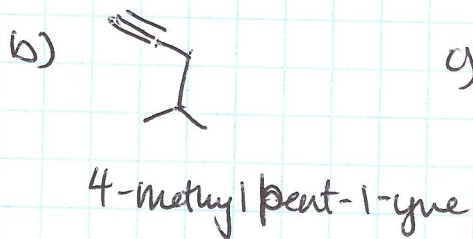
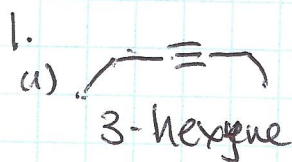
WORKSHEET 2 ALKENES



7,7-dimethyl-5,6-diethylnonane



ALKYNES



WORKSHEET 2

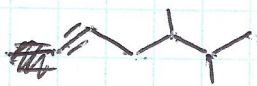
(4)

ALKYNES:

2. a) But-2-yne

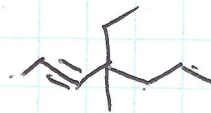


b)



4,5-dimethylhex-1-yne

c)



4-ethyl-4-methylhept-2-yne.

d)



3.

a)



2-butyne

b)



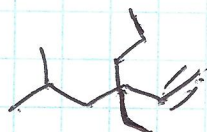
1-butyne

c)



4-methyl-2-pentyne.

d)



3-ethyl-5-methyl-3-propylhex-3-yne.

CYCLOHYDROCARBONS

a)



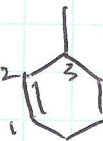
cyclopentane

b)



methylcyclohexane

c)



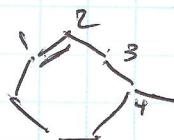
3-methylcyclohex-3-ene

d)



3-methyl-1-propylcyclohexane

e)



4-methylcyclohept-1-ene.

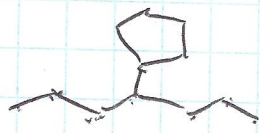
CYCLIC HYDROCARBONS

1. f)



3-methyl-1-propylcyclobutane

g)



4-cyclopentylheptane

h)



4-cyclopentylhexane

2.



b)



c)



d)



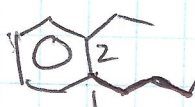
AROMATICS

a)



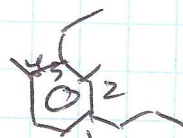
methylbenzene

b)



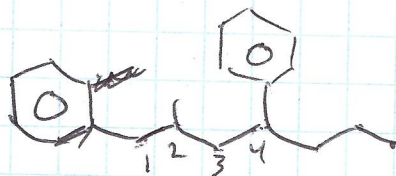
~~2-propyl~~
2-ethyl-1-propylbenzene

c)



3-ethyl-2,4-dimethyl-
1-propylbenzene

d)



2-methyl-1,4-diphenylheptane